

Amount of substance, high purity chemicals, Australia, NARL (National Analytical Reference Laboratory)

Note: In the case where an uncertainty range is given, the expanded uncertainty range spans from the smallest numerical value of the uncertainty to the largest numerical value of the uncertainty found within the quantity range.

Note: The expanded uncertainties given below correspond to $k = 2$ (level of confidence 95%)

NMI Service Identifier	Measurement Service Sub-Category	Matrix	Measurand		Dissemination Range of Measurement Capability			Range of Expanded Uncertainties as Disseminated				Range of Certified Values in Reference Materials			Range of Expanded Uncertainties for Certified Value				Mechanism(s) for Measurement Service Delivery
			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	
NARL CRM D547	Organic compounds	epitestosterone	epitestosterone	Mass fraction	98	100	%	0.1	0.6	%	No	98.6	98.6	%	0.6	0.6	%	No	5 mg issue from bulk material CRM D547
NARL CRM D550	Organic compounds	androsterone	androsterone	Mass fraction	98	100	%	0.1	0.6	%	No	99.6	99.6	%	0.25	0.25	%	No	5 mg issue from bulk material CRM D550
NARL CRM D551	Organic compounds	etiocholanolone	etiocholanolone	Mass fraction	98	100	%	0.1	0.6	%	No	99.4	99.4	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D551
NARL CRM D554	Organic compounds	19-noretiocholanolone	19-noretiocholanolone	Mass fraction	98	100	%	0.1	0.6	%	No	99.8	99.8	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D554
NARL CRM D555	Organic compounds	19-norandrosterone	19-norandrosterone	Mass fraction	98	100	%	0.1	0.6	%	No	99.4	99.4	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D555
NARL CRM D562	Organic compounds	17-epimethandienone	17-epimethandienone	Mass fraction	98	100	%	0.1	0.6	%	No	98.2	98.2	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D562
NARL CRM D577	Organic compounds	3'-hydroxystanozolol	3'-hydroxystanozolol	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.3	0.3	%	No	5 mg issue from bulk material CRM D577
NARL CRM D616	Organic compounds	calusterone	calusterone	Mass fraction	98	100	%	0.1	0.6	%	No	98.1	98.1	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D616
NARL CRM D507	Organic compounds	testosterone glucuronide	testosterone glucuronide	Mass fraction	95	100	%	0.5	1.0	%	No	99.5	99.5	%	0.5	0.5	%	No	5 mg issue from bulk material CRM D507
NARL CRM D603	Organic compounds	epitestosterone glucuronide	epitestosterone glucuronide	Mass fraction	95	100	%	0.5	1.0	%	No	99.5	99.5	%	0.5	0.5	%	No	5 mg issue from bulk material CRM D603

Calibration and Measurement Capabilities

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	
NARL CRM D508	Organic compounds	testosterone sulfate	testosterone sulfate	Mass fraction	95	100	%	0.5	1.0	%	No	99.5	99.5	%	0.5	0.5	%	No	5 mg issue from bulk material CRM D508
NARL CRM D546a	Organic compounds	d ₃ -testosterone	d ₃ -testosterone	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D546
NARL CRM D546b	Isotopics	d ₃ -testosterone	d ₃ -testosterone	Amount fraction	80	100	%	0.4	1.0	%	No	91	91	%	0.4	0.4	%	No	5 mg issue from bulk material CRM D546
NARL CRM D548a	Organic compounds	d ₃ -epitestosterone	d ₃ -epitestosterone	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D548
NARL CRM D548b	Isotopics	d ₃ -epitestosterone	d ₃ -epitestosterone	Amount fraction	80	100	%	0.4	1.0	%	No	94	94	%	0.4	0.4	%	No	5 mg issue from bulk material CRM D548
NARL CRM D584a	Organic compounds	d ₄ -19-norandrosterone	d ₄ -19-norandrosterone	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D584
NARL CRM D584b	Isotopics	d ₄ -19-norandrosterone	d ₄ -19-norandrosterone	Amount fraction	80	100	%	0.4	1.0	%	No	93	93	%	0.4	0.4	%	No	5 mg issue from bulk material CRM D584
NARL CRM D405	Organic compounds	acetyl codeine	acetyl codeine	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.1	0.1	%	No	50 mg issue from bulk material CRM 405
NARL CRM D436	Organic compounds	cocaine	cocaine	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.1	0.1	%	No	50 mg issue from bulk material CRM 436
NARL CRM D544	Organic compounds	methamphetamine hydrochloride	methamphetamine hydrochloride	Mass fraction	98	100	%	0.1	0.6	%	No	99.8	99.8	%	0.1	0.1	%	No	50 mg issue from bulk material CRM 544
NARL CRM D627	Organic compounds	6-monoacetyl morphine	6-monoacetyl morphine	Mass fraction	98	100	%	0.1	0.6	%	No	99.6	99.6	%	0.1	0.1	%	No	50 mg issue from bulk material CRM 627
NARL CRM P1622	Organic compounds	oxychlordane	oxychlordane	Mass fraction	98	100	%	0.1	0.6	%	No	98.5	98.5	%	0.3	0.3	%	No	1 mg issue from bulk material CRM P1622

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	
NARL PSRM 1	Organic compounds	steroids	steroids	Mass fraction	95	100	%	0.1	1.0	%	No								From 1 to 10 mg issue from bulk material. Amount available per issue will vary from compound to compound
NARL PSRM 2	Organic compounds	steroid conjugates (glucuronides, sulfates)	steroid conjugates (glucuronides, sulfates)	Mass fraction	80	100	%	0.5	2.0	%	No								From 1 to 10 mg issue from bulk material. Amount available per issue will vary from compound to compound
NARL PSRM 3	Organic compounds	illicit drugs	illicit drugs	Mass fraction	95	100	%	0.1	1.0	%	No								From 5 to 50 mg issue from bulk material. Amount per issue will vary from compound to compound
NARL PSRM 4	Organic compounds	organopesticides	organopesticides	Mass fraction	95	100	%	0.1	1.0	%	No								From 1 to 50 mg issue from bulk material. Amount per issue will vary from compound to compound
NARL CRM M914	Organic compounds	testosterone	testosterone	Mass fraction	98	100	%	0.1	0.6	%	No	98.4	98.4	%	0.4	0.4	%	No	10 mg issue from bulk material CRM M914
NARL CRM D646	Organic compounds	stanozolol	stanozolol	Mass fraction	98	100	%	0.1	0.6	%	No	99.2	99.2	%	0.3	0.3	%	No	10 mg issue from bulk material CRM D646
NARL CRM D630	Organic compounds	methandienone	methandienone	Mass fraction	98	100	%	0.1	0.6	%	No	98.5	98.5	%	0.1	0.1	%	No	10 mg issue from bulk material CRM D630

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	
NARL CRM D583a	Organic compounds	d ₃ -nandrolone	d ₃ -nandrolone	Mass fraction	98	100	%	0.1	0.6	%	No	99.3	99.3	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D583
NARL CRM D708	Organic compounds	17alpha-trenbolone	17alpha-trenbolone	Mass fraction	98	100	%	0.1	0.6	%	No	99.0	99.0	%	0.2	0.2	%	No	5 mg issue from bulk material CRM D708
NARL CRM D651	Organic compounds	megestrol	megestrol	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.3	0.3	%	No	10 mg issue from bulk material CRM D651
NARL CRM D655	Organic compounds	melengesterol	melengesterol	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.4	0.4	%	No	10 mg issue from bulk material CRM D655
NARL CRM D670	Organic compounds	heroin	heroin	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.4	0.4	%	No	10 mg issue from bulk material CRM D670
NARL CRM D577	Organic compounds	codeine	codeine	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.3	0.3	%	No	10 mg issue from bulk material CRM D577
NARL CRM D673a	Organic compounds	d ₃ -codeine	d ₃ -codeine	Mass fraction	98	100	%	0.1	0.6	%	No	99.6	99.6	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D673
NARL CRM D664	Organic compounds	<i>N</i> -methyl-3,4-methylenedioxy methamphetamine hydrochloride (MDMA.HCl)	<i>N</i> -methyl-3,4-methylenedioxy methamphetamine hydrochloride (MDMA.HCl)	Mass fraction	98	100	%	0.1	0.6	%	No	99.3	99.3	%	0.1	0.1	%	No	50 mg issue from bulk material CRM D664
NARL CRM D466	Organic compounds	methylenedioxyamphetamine hydrochloride (MDA.HCl)	methylenedioxyamphetamine hydrochloride (MDA.HCl)	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.5	0.5	%	No	10 mg issue from bulk material CRM D466
NARL CRM D687	Organic compounds	4-thiomethyl methamphetamine hydrochloride (MTA.HCl)	4-thiomethyl methamphetamine hydrochloride (MTA.HCl)	Mass fraction	98	100	%	0.1	0.6	%	No	99.8	99.8	%	0.1	0.1	%	No	5 mg issue from bulk material CRM D687

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	From	To	Unit	From	To	Unit	Is the expanded uncertainty a relative one?	
NARL CRM P1373	Organic compounds	dibromo-DDE	dibromo-DDE	Mass fraction	98	100	%	0.1	0.6	%	No	99.8	99.8	%	0.1	0.1	%	No	50 mg issue from bulk material CRM P1373
NARL CRM P1394	Organic compounds	heptachlor	heptachlor	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.4	0.4	%	No	50 mg issue from bulk material CRM P1394
NARL CRM P1395	Organic compounds	heptachlor epoxide	heptachlor epoxide	Mass fraction	98	100	%	0.1	0.6	%	No	99.5	99.5	%	0.1	0.1	%	No	50 mg issue from bulk material CRM P1395
NARL CRM P1666	Organic compounds	chlorpyrifos	chlorpyrifos	Mass fraction	98	100	%	0.1	0.6	%	No	93	93	%	0.4	0.4	%	No	50 mg issue from bulk material CRM P1666
NARL CRM P1668	Organic compounds	fipronil	fipronil	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.2	0.2	%	No	50 mg issue from bulk material CRM P1668
NARL CRM P1368	Organic compounds	alpha-endosulfan	alpha-endosulfan	Mass fraction	98	100	%	0.1	0.6	%	No	99.7	99.7	%	0.1	0.1	%	No	50 mg issue from bulk material CRM P1368
NARL CRM P1369	Organic compounds	beta-endosulfan	beta-endosulfan	Mass fraction	98	100	%	0.1	0.6	%	No	99.6	99.6	%	0.1	0.1	%	No	50 mg issue from bulk material CRM P1369
NARL CRM P1372	Organic compounds	endosulfan sulfate	endosulfan sulfate	Mass fraction	98	100	%	0.1	0.6	%	No	99.0	99.0	%	0.2	0.2	%	No	50 mg issue from bulk material CRM P1372